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<p>Substitute for form 1449A/PTO</p> <p style="text-align: center;">INFORMATION DISCLOSURE STATEMENT BY APPLICANT</p> <p style="text-align: center;">(Use as many sheets as necessary)</p> <p>Sheet <u>1</u> of <u>1</u></p>		<p style="text-align: center;">Complete if Known</p> <table border="1" style="width: 100%; border-collapse: collapse;"><tr><td style="width: 50%;">Application Number</td><td style="width: 50%;">Not Yet Assigned <u>10/7/14, 332</u></td></tr><tr><td>Filing Date</td><td></td></tr><tr><td>First Named Inventor</td><td>Roger L. Schultz, et al.</td></tr><tr><td>Art Unit</td><td>Unknown</td></tr><tr><td>Examiner Name</td><td>Unknown</td></tr><tr><td>Attorney Docket Number</td><td>HES 2002-IP-008558</td></tr></table>	Application Number	Not Yet Assigned <u>10/7/14, 332</u>	Filing Date		First Named Inventor	Roger L. Schultz, et al.	Art Unit	Unknown	Examiner Name	Unknown	Attorney Docket Number	HES 2002-IP-008558
Application Number	Not Yet Assigned <u>10/7/14, 332</u>													
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First Named Inventor	Roger L. Schultz, et al.													
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U. S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
A	1	US- 4,788,544	11-29-1988	Howard	
	2	US- 4,839,644	06-13-1989	Safinya et al.	
	3	US- 5,010,333	04-23-1991	Gardner et al.	
	4	US- 5,160,925	11-03-1992	Dailey et al.	
	5	US- 5,236,048	08-17-1993	Skinner et al.	
	6	US- 5,273,113	12-28-1993	Schultz	
	7	US- 5,490,564	02-13-1996	Schultz et al.	
	8	US- 5,732,776	03-31-1998	Tubel et al.	
	9	US- 5,838,727	11-17-1998	Lyon et al.	
	10	US- 5,941,307	08-24-1999	Tubel	
	11	US- 6,192,988 B1	02-27-2001	Tubel	
	12	US- 6,392,561 B1	05-21-2002	Davies et al.	
	13	US- 6,445,307 B1	09-03-2002	Rassi et al.	
	14	US- 6,464,011 B2	10-15-2002	Tubel	
	15	US- 6,538,576 B1	03-25-2003	Schultz et al.	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	† ³
		Country Code ² Number ⁴ Kind Code ⁵ (if known)				
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Examiner Signature <u>[Signature]</u>	Date Considered <u>8/15/06</u>
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Substitute for form 1449B/PTO		Complete If Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)		Application Number	Not Yet Assigned 10/7/03
		Filing Date	
		First Named Inventor	Roger L. Schultz, et al.
		Art Unit	Unknown
		Examiner Name	Unknown
		Attorney Docket Number	HES 2002-IP-008558
Sheet	1	of	1

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
A	16	Publication entitled Effects of Dielectric Losses on the Propagation of an Electric Field in Fluid-Saturated Porous Media, Chapter 6 and General Conclusion, Chapter 7 by Gottlieb, J. et al., published in "Field Screening Europe" Kluwer Academic Publishers, pp. 137-142 (1997).	
	17	Publication entitled Accurate Computation of Vector Potentials in Lossy Media by Swagato Chakraborty and Vikram Jandhyala, Department of Electrical Engineering, University of Washington, published in the UWEE Technical Report No. UWEEETR-2002-0011, August 2, 2002.	
	18	Publication entitled DOE-Industry Breakthrough Turns Drilling System Into Lightning Fast Computer Network published in DOE Fossil Energy Techline, pp. 1-3, September 30, 2002.	
	19	Congressional Notification Profile entitled Deep Trek Program Solicitation by E-Spectrum Technologies, Inc., 23rd Congressional District, pp. 1-2.	
	20	Publication entitled Lossy Transmission Line Model of Hydrofractured Well Dynamics by Tadeusz W. Patzek, SPE, University of California at Berkeley; Asoke De, Lawrence Berkeley National Laboratory published in Society of Petroleum Engineers No. SPE46915, pp. 1-16, May 10, 1998.	
	21	Publication entitled Wireless Data Telemetry by Douglas S. Drumheller and Steven D. Knudsen, Sandia National Laboratories published in U.S. Department of Energy Geothermal Energy Technical Site, pp. 1-5, May 12, 1998.	
	22	Publication entitled Surface Area Modulation Downhole Telemetry System for Measurement While Drilling by Michael J. Taylor, Project Manager, Sandia National Laboratories, Rocky Mountain Oilfield Testing Center, pp. 1-21, March 31, 1998.	
	23	Publication No. 2002/010359 A1 by Bruce S. Huckaba et al. Publication Date: Aug. 1, 2002	

Examiner Signature	<i>act</i>	Date Considered	8/15/06
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1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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